

KEY MANAGEMENT METHODS FOR WIRELESS LANS

Abstract of the Disclosure

The security keys in the mobile terminals and access points of a wireless local area network (WLAN) are created, utilized and managed for a communication session between a mobile terminal and access point. Both the WLAN link level security protection and IP security functions of the network use the same Internet Key Exchange (IKE) key management protocol and use certificates in the same certificate hierarchy. When the mobile terminals associates with the network, it uses the IKE protocol with private keys and certificates to generate WLAN link level keys with the access point and provide mutual authentication.

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